

IN THE CLAIMS

✓ Claims 1-69 (cancelled).

70. (New) A location-relevant traffic information processing method comprising:
- a first mobile unit determining location-relevant traffic information that indicates traffic conditions relevant to a position of the first mobile unit;
- the first mobile unit transmitting the location-relevant traffic information to a first system over a network;
- the first system performing a network transmission to a second mobile unit, wherein the transmission to the second mobile unit is performed based on the location-relevant traffic information received from the first mobile unit.
71. (New) The method of Claim 70 wherein the first mobile unit transmits the location-relevant traffic information at a time relevant to the first mobile unit determining its own position.
72. (New) The method of Claim 70 wherein the network transmission to the second mobile unit is performed in response to a query from the second mobile unit.
73. (New) The method of Claim 70 wherein the network transmission to the second mobile unit comprises pushing information to the second mobile unit.
74. (New) A system comprising a structure for:
- receiving location-relevant traffic information from a first mobile unit over a network, the location-relevant traffic information indicating traffic conditions relevant to a position of the first mobile unit; and
- performing a network transmission to a second mobile unit, wherein the network transmission to the second mobile unit is performed based on the location-relevant traffic information received from the first mobile unit.

75. (New) The system of Claim 74 further comprising the first mobile unit, wherein the first mobile unit transmits the location-relevant traffic information at a time relevant to the first mobile unit determining its own position.

76. (New) The system of Claim 74 wherein the network transmission to the second mobile unit is performed in response to a query from the second mobile unit.

77. (New) The system of Claim 74 wherein the network transmission to the second mobile unit comprises pushing information to the second mobile unit.

78. (New) A method for processing location-relevant information which indicates operating conditions of a vehicle and which is relevant to the vehicle's position, the method comprising:

a first mobile unit determining the location-relevant information which indicates the operating conditions of the vehicle and which is relevant to the vehicle's position;

the first mobile unit transmitting the location-relevant information to a first system over a network;

the first system performing a network transmission to a second mobile unit, wherein the network transmission to the second mobile unit is performed based on the location-relevant information received from the first mobile unit.

79. (New) The method of Claim 78 wherein the first mobile unit cooperates with a monitor that monitors the operating conditions of the vehicle.

80. (New) The method of Claim 78 wherein the first mobile unit transmits the location-relevant information at a time relevant to the first mobile unit determining its own position.

81. (New) The method of Claim 78 wherein the network transmission to the second mobile unit is performed in response to a query from the second mobile unit.

82. (New) The method of Claim 78 wherein the network transmission to the second mobile unit comprises pushing information to the second mobile unit.

83. (New) A system for processing location-relevant information which indicates operating conditions of a vehicle and which is relevant to the vehicle's position, the system comprising a structure for:

receiving over a network from a first mobile unit the location-relevant information which indicates the operating conditions of the vehicle and which is relevant to the vehicle's position;

performing a network transmission to a second mobile unit, wherein the network transmission to the second mobile unit is performed based on the location-relevant information received from the first mobile unit.

84. (New) The system of Claim 83 further comprising the first mobile unit, wherein the first mobile unit cooperates with a monitor that monitors the operating conditions of the vehicle.

85. (New) The system of Claim 83 wherein the first mobile unit transmits the location-relevant information at a time relevant to the first mobile unit determining its own position.

86. (New) The system of Claim 83 wherein the network transmission to the second mobile unit is performed in response to a query from the second mobile unit.

87. (New) The system of Claim 83 wherein the network transmission to the second mobile unit comprises pushing information to the second mobile unit.

88. (New) A method for processing location-relevant information which indicates maintenance conditions of a vehicle and which is relevant to the vehicle's position, the method comprising:

a first mobile unit determining the location-relevant information which indicates the maintenance conditions of the vehicle and which is relevant to the vehicle's position;

the first mobile unit transmitting the location-relevant information to a first system over a network;

the first system performing a network transmission to a second mobile unit, wherein the network transmission to the second mobile unit is performed based on the location-relevant information received from the first mobile unit.

89. (New) The method of Claim 88 wherein the first mobile unit cooperates with a monitor that monitors the vehicle's condition.

90. (New) The method of Claim 88 wherein the first mobile unit transmits the location-relevant information at a time relevant to the first mobile unit determining its own position.

91. (New) The method of Claim 88 wherein the network transmission to the second mobile unit is performed in response to a query from the second mobile unit.

92. (New) The method of Claim 88 wherein the network transmission to the second mobile unit comprises pushing information to the second mobile unit.

93. (New) A system for processing location-relevant information which indicates maintenance conditions of a vehicle and which is relevant to the vehicle's position, the system comprising a structure for:

receiving over a network from a first mobile unit the location-relevant information which indicates the maintenance conditions of the vehicle and which is relevant to the vehicle's position;

performing a network transmission to a second mobile unit, wherein the network transmission to the second mobile unit is performed based on the location-relevant information received from the first mobile unit.

94. (New) The system of Claim 93 further comprising the first mobile unit, wherein the first mobile unit cooperates with a monitor that monitors the maintenance conditions of the vehicle.

95. (New) The system of Claim 93 wherein the first mobile unit transmits the location-relevant information at a time relevant to the first mobile unit determining its own position.

96. (New) The system of Claim 93 wherein the network transmission to the second mobile unit is performed in response to a query from the second mobile unit.

97. (New) The system of Claim 93 wherein the network transmission to the second mobile unit comprises pushing information to the second mobile unit.

98. (New) A method for performing an authentication operation, the method comprising:

receiving position data indicating a position of the first mobile unit, the position data being received from a first mobile unit over a network;

receiving information from a second unit over a network;

matching the information received from the second unit against the position data received from the first mobile unit to authenticate a user of the second unit.

99. (New) The method of Claim 98 wherein the authentication operation succeeds if the information received from the second unit indicates the same position as the position data received from the first mobile unit, and the authentication operation fails otherwise.

100. (New) The method of Claim 98 wherein:

the authentication operation succeeds if the information received from the second unit correctly indicates (a) the position of the first mobile unit as specified by the position data, and (b) a time information indicating a time when the position data was obtained at the first mobile unit; and

the authentication operation fails otherwise.

101. (New) The method of Claim 100 wherein the time information is an elapsed time since the position data was obtained at the first mobile unit.

102. (New) The method of Claim 100 further comprising the first mobile unit displaying the position data and the time information to make the position data and the time

information available to an authorized user, allowing the authorized user to send the position data and the time information via the second unit.

103. (New) The method of Claim 98 further comprising the first mobile unit displaying the position data to make the position data available to an authorized user, allowing the authorized user to send the position data via the second unit.

104. (New) The method of Claim 98 wherein the second unit is a mobile unit.

105. (New) The method of Claim 98 wherein the matching operation is performed by a system that performs the authentication operation for a party for a transaction between the party and the user of the second unit.

106. (New) A system for performing an authentication operation, the system comprising a structure for:

receiving position data indicating a position of the first mobile unit, the position data being received from a first mobile unit over a network;

receiving information from a second unit over a network;

matching the information received from the second unit against the position data received from the first mobile unit to authenticate a user of the second unit.

107. (New) The system of Claim 106 wherein the authentication operation succeeds if the information received from the second unit indicates the same position as the position data received from the first mobile unit, and the authentication operation fails otherwise.

108. (New) The system of Claim 106 wherein:

the authentication operation succeeds if the information received from the second unit correctly indicates (a) the position of the first mobile unit as specified by the position data, and (b) a time information indicating a time when the position data was obtained at the first mobile unit; and

the authentication operation fails otherwise.

109. (New) The system of Claim 108 wherein the time information is an elapsed time since the position data was obtained at the first mobile unit.

110. (New) The system of Claim 108 further comprising the first mobile unit, wherein the first mobile unit is operable to make the position data and the time information available to an authorized user, allowing the authorized user to send the position data and the time information via the second unit.

111. (New) The system of Claim 106 further comprising the first mobile unit, wherein the first mobile unit is operable to make the position data available to an authorized user, allowing the authorized user to send the position data via the second unit.

112. (New) The system of Claim 106 further comprising the second unit which is a mobile unit.

113. (New) The system of Claim 106 wherein the system is operable to perform the authentication operation for a party for a transaction between the party and the user of the second unit.

114. (New) A method for performing an authentication operation, the method comprising:

receiving position data over a first network path, the position data indicating a position of the first mobile unit;

receiving information over a second network path;

matching the information received over the second network path against the position data received over the first network path to authenticate a sender of the information over the second network path.

115. (New) The method of Claim 114 wherein the authentication operation succeeds if the information received over the second network path indicates the same position as the position data received over the first network path, and the authentication operation fails otherwise.

116. (New) The method of Claim 114 wherein:

the authentication operation succeeds if the information received over the second network path correctly indicates (a) the position of the first mobile unit as specified by the position data, and (b) a time information indicating a time when the position data was obtained at the first mobile unit;

and the authentication operation fails otherwise.

117. (New) The method of Claim 116 wherein the time information is an elapsed time since the position data was obtained at the first mobile unit.

118. (New) The method of Claim 116 further comprising the first mobile unit displaying the position data and the time information to make the position data and the time information available to an authorized user.

119. (New) The method of Claim 114 further comprising the first mobile unit displaying the position data to make the position data available to an authorized user.

120. (New) The method of Claim 114 wherein the second network path provides the information from a mobile unit.

121. (New) The method of Claim 114 wherein the matching operation is performed by a system that performs the authentication operation for a party for a transaction between the party and the sender of the information over the second network path.

122. (New) A system for performing an authentication operation, the system comprising a structure for:

receiving position data over a first network path, the position data indicating a position of the first mobile unit;

receiving information over a second network path;



matching the information received over the second network path against the position data received over the first network path to authenticate a sender of the information over the second network path.

123. (New) The system of Claim 122 wherein the authentication operation succeeds if the information received over the second network path indicates the same position as the position data received over the first network path, and the authentication operation fails otherwise.

124. (New) The system of Claim 122 wherein:

the authentication operation succeeds if the information received over the second network path correctly indicates (a) the position of the first mobile unit as specified by the position data, and (b) a time information indicating a time when the position data was obtained at the first mobile unit;

and the authentication operation fails otherwise.

125. (New) The method of Claim 124 wherein the time information is an elapsed time since the position data was obtained at the first mobile unit.

126. (New) The system of Claim 124 further comprising the first mobile unit and the first network path, wherein the first mobile unit is operable to make the position data and the time information available to an authorized user.

127. (New) The system of Claim 122 further comprising the first mobile unit, wherein the first mobile unit is operable to make the position data available to an authorized user.

128. (New) The system of Claim 122 wherein the second network path provides the information from a mobile unit.

129. (New) The system of Claim 122 wherein the authentication operation is performed for a party for a transaction between the party and the sender of the information over the second network path.

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concluded